

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Harufumi MUTO et al.

Application No.: 10/539,069

Filed: October 17, 2005

Docket No.: 124384

For: APPARATUS FOR CALCULATING AMOUNT OF RECIRCULATED EXHAUST GAS
FOR INTERNAL COMBUSTION ENGINE

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- ☒ 2. Relevance of the non-English language references is discussed in the present specification. See reference 9.
- ☒ 3. The references 5, 12, 13 and 14 were cited in the International Search Report. An English language version of the International Search Report is attached for the Examiner's information. According to the Notification of Acceptance in this file, copies of the references are already in the PTO file. Thus additional copies of the references are not attached.
- ☒ 4. In accordance with 37 CFR §1.98(a)(2)(ii), copies of any U.S. patents and patent application publications are not attached.

- ☒ 5. English language Abstracts of the non-English language references are attached hereto. See references 6-11.
- ☒ 6. Reference 1 corresponds to 6, reference 2 corresponds to 7, reference 3 corresponds to 8, reference 4 corresponds to 9.
- ☒ 7. A concise explanation of the relevance of the non-English language references appears in the Appendix attached hereto. (Refs. 10 and 11)

Respectfully submitted,



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| <p>DEPOSIT ACCOUNT USE AUTHORIZATION Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461</p> |
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Appendix

Reference 10

This discloses a device for calculating an intake air amount, using a first linear function of an intake pressure when the intake pressure is low and a second linear function of the intake pressure when the intake pressure is high, the first and second linear functions having different gradients.

Reference 11

This discloses a device for calculating an amount of air charged into a cylinder of an engine, using a linear function of an intake pressure.

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| Form PTO-1449 (REV. 8-83) | | US Dept. of Commerce PATENT & TRADEMARK OFFICE | | ATTY DOCKET NO. 124384 | APPLICATION NO. 10/539,069 | |
| INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) | | | | APPLICANTS Harufumi MUTO et al. | | |
| | | | | FILING DATE October 17, 2005 | | |
| U.S. PATENT DOCUMENTS | | | | | | |
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS |
| | 1) | US 5,505,174 A | 04/09/1996 | Komoriya et al. | | |
| | 2) | US 6,496,214 B2 | 12/24/2002 | Yagi | | |
| | 3) | US 6,571,767 B2 | 06/03/2003 | Kabayashi et al. | | |
| | 4) | US 6,711,490 B2 | 03/23/2004 | Kabayashi et al. | | |
| | 5) | US 5,791,319 A | 08/11/1998 | Friedrich et al. | | |
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| FOREIGN PATENT DOCUMENTS | | | | | | |
| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB CLASS |
| | 6) | JP A 8-128359 A w/abst & trans | 05/21/1996 | Japan | | |
| | 7) | JP A 2002-201998 A w/abst & trans | 07/19/2002 | Japan | | |
| | 8) | JP A 2002-130039 A w/abst & trans | 05/09/2002 | Japan | | |
| | 9) | JP A 2002-147279 A w/abst & trans | 05/22/2002 | Japan | | |
| | 10) | JP A 2002-180877 A w/abst & trans | 06/26/2002 | Japan | | |
| | 11) | JP A 2001-41095 A w/abst & trans | 02/13/2001 | Japan | | |
| | 12) | EP 0 791 736 A2 | 08/27/1997 | Europe | | |
| | 13) | EP 0 485 089 A2 | 05/13/1992 | Europe | | |
| | 14) | DE 3503798 A1 | 08/07/1986 | Germany | | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) | | | | | | |
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| EXAMINER | | | | | DATE CONSIDERED | |
| Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | | | | |

Date: October 17, 2005